

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of:

HOLADAY ET AL.Application No. **10/799,163**Filed: **March 12, 2004**For: **COMPOSITIONS AND METHODS FOR
TREATING CANCER AND
HYPERPROLIFERATIVE DISORDERS**Art Unit: **1643**Examiner: **Christopher H. Yaen**Attorney Docket No. **05213-0077**
(13663.105206)

TRANSMITTAL

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are papers in the above-identified application.

- ☒ Revocation and Grant of Power of Attorney; Change of Correspondence Address; Change of Attorney Docket Number; and Statement Under 37 CFR 3.73(b)
- ☒ No fee is believed due. However, if deemed appropriate, the Commissioner is authorized to charge any fees to Deposit Account No. 11-0980.

Respectfully submitted,

Shirley E. Brosmore
Reg. No. 56,167KING & SPALDING LLP
1180 Peachtree Street, N.E., 34th Floor
Atlanta, Georgia 30309-3521
404.572.4600 - Telephone
404.572.5134 - Facsimile

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on December 14, 2006.

Shirley E. Brosmore, Reg. No. 56,167



PATENTS

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
)	
HOLADAY ET AL.)	
)	Art Unit: 1643
Application No. 10/799,163)	
)	Examiner: Christopher H. Yaen
Filed: March 12, 2004)	
)	Attorney Docket No. 05213-0077
For: COMPOSITIONS AND METHODS FOR)	(13663.105206)
TREATING CANCER AND)	
HYPERPROLIFERATIVE DISORDERS)	

**REVOCATION AND GRANT OF POWER OF ATTORNEY;
CHANGE OF CORRESPONDENCE ADDRESS;
CHANGE OF ATTORNEY DOCKET NUMBER; AND
STATEMENT UNDER 37 CFR 3.73(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Revocation/Grant of Power of Attorney

EntreMed, Inc., the owner by assignment of all right, title, and interest in and to the subject application, hereby revokes all powers of attorney heretofore granted for the above-identified application and hereby appoints the practitioners associated with **Customer Number 20786** as the attorneys of record herein, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith.

Change of Correspondence Address

Please direct all future correspondence in the application to Shirley E. Brosmore, at the address associated with the customer number provided above.

Change of Attorney Docket Number

Please reference the Attorney Docket Number **05213-0077 (13663.105206)** on all future correspondence in the application.

Statement Under 37 CFR 3.73(b)

Assignee, EntreMed, Inc., a corporation of the State of Delaware, having a place of business at 9640 Medical Center Drive, Rockville, MD 20850, certifies that it is the assignee of the entire right, title, and interest in the above-identified patent application by virtue of a chain of title from the respective inventors of the subject matter disclosed and claimed therein. The chain of title is as set forth below.

1. An assignment from the inventors, John W. Holaday, Antonio Ruiz, John Madsen and Stacy M. Plum to EntreMed, Inc. The assignment was recorded in the United States Patent and Trademark Office on August 13, 2004, at Reel 015680, Frame 0754. A copy of the assignment is attached.

The undersigned is empowered to sign this Revocation and Grant of Power of Attorney on behalf of the Assignee.

ENTREMED, INC.

Date: December 1, 2006

By: Cynthia Wong Hu
Cynthia Wong Hu
Vice President & General Counsel



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

FEBRUARY 14, 2005

PTAS



102815961A

KILPATRICK STOCKTON LLP
JOHN S. PRATT, ESQ.
1100 PEACHTREE STREET
SUITE 2800
ATLANTA, GA 30309-4530

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/13/2004

REEL/FRAME: 015680/0754
NUMBER OF PAGES: 13

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HOLADAY, JOHN W.

DOC DATE: 06/03/2004

ASSIGNOR:

RUIZ, ANTONIO

DOC DATE: 05/13/2004

ASSIGNOR:

MADSEN, JOHN

DOC DATE: 05/10/2004

ASSIGNOR:

PLUM, STACY M.

DOC DATE: 04/29/2004

ASSIGNEE:

ENTREMED, INC.
9640 MEDICAL CENTER DRIVE
ROCKVILLE, MARYLAND 20850

KS Docketing

Docketed for: _____
Entered on: 2-14-05
Initials: JMB
By: Stacy Entwistle

015680/0754 PAGE 2

SERIAL NUMBER: 10799163

FILING DATE: 03/12/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: COMPOSITIONS AND METHODS FOR TREATING CANCER AND HYPERPROLIFERATIVE
DISORDERS

KIMBERLY WHITE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Form PTO-1595 (Adapted)
7-17-00

4/13/04 REC

08-13-2004

DEPARTMENT OF COMMERCE
Patent & Trademark Office

102815961

... documents or copy thereof.

To the Director of the U.S. Patent and Trademark Office

1. Name of conveying party(ies):

John W. Holaday; Antonio Ruiz; John Madsen;
Stacy M. PlumAdditional name(s) of conveying party(ies)
attached?☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution date(s) of each conveying party:

Holaday - June 3, 2004

Ruiz - May 13, 2004

Madsen - May 10, 2004

Plum - April 29, 2004

2. Name and Address of receiving party(ies):

Name: EntreMed, Inc.

Address: 9640 Medical Center Drive

City: Rockville

State: MD

Zip: 20850

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4(a). Patent Application No.(s): 10/799,163

Patent No.(s):

If this document is being filed together with a new application, the execution date of the application is:

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: John S. Pratt, Esq.
Address: KILPATRICK STOCKTON LLP
1100 Peachtree Street
Suite 2800
Atlanta, Georgia 30309-4530

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. §3.41) enclosed: \$ 40

DO NOT USE THIS SPACE

8. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

I certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mailstop Assignments, Director of the U.S. Patent & Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on the date given below.

Sima Singadia Kulkarni
Name of Person Signing

Signature

Date: August 13, 2004

Total number of pages including
cover sheet: 13Attorney Docket No. 05213-0077
(43170-296614)Mail documents to be recorded with required cover sheet information to: Director of the U.S. Patent & Trademark Office
Mailstop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, we, **JOHN W. HOLADAY**, a citizen of the United States of America, residing at 6502 Hillmead Road, Bethesda, MD 20817; **ANTONIO RUIZ**, a citizen of the United States of America, residing at 12225 Morning Light Terrace, Gaithersburg, MD 20878; **JOHN MADSEN**, a citizen of the United States of America, residing at 4409 Canton Avenue, Jefferson, MD 21755; and **STACY M. PLUM**, a citizen of the United States of America, residing at 6107 North 11th Street, Arlington, VA 22205, have invented certain inventions and improvements disclosed in an application for Letters Patent entitled **COMPOSITIONS AND METHODS FOR TREATING CANCER AND HYPERPROLIFERATIVE DISORDERS**, filed in the U.S. Patent & Trademark Office on March 12, 2004, and assigned Serial No. 10/799,163; and

WHEREAS, **ENTREMED, INC.**, a corporation of the State of Delaware, having a principal place of business at 9640 Medical Center Drive, Rockville, Maryland 20850, is desirous of acquiring an interest in the same;

NOW, THEREFORE, for and in consideration of Five Dollars (\$5.00) and other good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, **JOHN W. HOLADAY**, **ANTONIO RUIZ**, **JOHN MADSEN** and **STACY M. PLUM**, by these presents do sell, assign and transfer unto **ENTREMED, INC.**, the full, exclusive and entire right, title, and interest in and to said application, in and to any divisions, continuations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said application, preparatory to obtaining Letters Patent of the United States therefor; and we hereby request the Commissioner of Patents and Trademarks

to issue any and all Letters Patent of the United States resulting from said application, or from a division, continuation, or reissue thereof, to **ENTREMED, INC.**, as the assignee, for its interest and for the sole use and benefit of **ENTREMED, INC.** and its assigns and legal representatives;

For the same consideration, we, by these presents do sell, assign, and transfer to **ENTREMED, INC.**, the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **ENTREMED, INC.**, or its designee insofar as permitted by applicable law.

AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **ENTREMED, INC.**, its successors, assigns,

and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Dated: 6/3/84



JOHN W. HOLADAY

Dated: _____

ANTONIO RUIZ

Dated: _____

JOHN MADSEN

Dated: _____

STACY M. PLUM

Our Docket: 05213-0077 (43170-296614)

ASSIGNMENT

WHEREAS, we, **JOHN W. HOLADAY**, a citizen of the United States of America, residing at 6502 Hillmead Road, Bethesda, MD 20817; **ANTONIO RUIZ**, a citizen of the United States of America, residing at 12225 Morning Light Terrace, Gaithersburg, MD 20878; **JOHN MADSEN**, a citizen of the United States of America, residing at 4409 Canton Avenue, Jefferson, MD 21755; and **STACY M. PLUM**, a citizen of the United States of America, residing at 6107 North 11th Street, Arlington, VA 22205, have invented certain inventions and improvements disclosed in an application for Letters Patent entitled **COMPOSITIONS AND METHODS FOR TREATING CANCER AND HYPERPROLIFERATIVE DISORDERS**, filed in the U.S. Patent & Trademark Office on March 12, 2004, and assigned Serial No. 10/799,163; and

WHEREAS, **ENTREMED, INC.**, a corporation of the State of Delaware, having a principal place of business at 9640 Medical Center Drive, Rockville, Maryland 20850, is desirous of acquiring an interest in the same;

NOW, THEREFORE, for and in consideration of Five Dollars (\$5.00) and other good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, **JOHN W. HOLADAY**, **ANTONIO RUIZ**, **JOHN MADSEN** and **STACY M. PLUM**, by these presents do sell, assign and transfer unto **ENTREMED, INC.**, the full, exclusive and entire right, title, and interest in and to said application, in and to any divisions, continuations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said application, preparatory to obtaining Letters Patent of the United States therefor; and we hereby request the Commissioner of Patents and Trademarks

to issue any and all Letters Patent of the United States resulting from said application, or from a division, continuation, or reissue thereof, to **ENTREMED, INC.**, as the assignee, for its interest and for the sole use and benefit of **ENTREMED, INC.** and its assigns and legal representatives;

For the same consideration, we, by these presents do sell, assign, and transfer to **ENTREMED, INC.**, the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **ENTREMED, INC.**, or its designee insofar as permitted by applicable law.

AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **ENTREMED, INC.**, its successors, assigns,

and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Dated: _____

JOHN W. HOLADAY

Dated: 5-13-04

Antonio Ruiz
ANTONIO RUIZ

Dated: _____

JOHN MADSEN

Dated: _____

STACY M. PLUM

Our Docket: 05213-0077 (43170-296614)

ASSIGNMENT

WHEREAS, we, **JOHN W. HOLADAY**, a citizen of the United States of America, residing at 6502 Hillmead Road, Bethesda, MD 20817; **ANTONIO RUIZ**, a citizen of the United States of America, residing at 12225 Morning Light Terrace, Gaithersburg, MD 20878; **JOHN MADSEN**, a citizen of the United States of America, residing at 4409 Canton Avenue, Jefferson, MD 21755; and **STACY M. PLUM**, a citizen of the United States of America, residing at 6107 North 11th Street, Arlington, VA 22205, have invented certain inventions and improvements disclosed in an application for Letters Patent entitled **COMPOSITIONS AND METHODS FOR TREATING CANCER AND HYPERPROLIFERATIVE DISORDERS**, filed in the U.S. Patent & Trademark Office on March 12, 2004, and assigned Serial No. 10/799,163; and

WHEREAS, **ENTREMED, INC.**, a corporation of the State of Delaware, having a principal place of business at 9640 Medical Center Drive, Rockville, Maryland 20850, is desirous of acquiring an interest in the same;

NOW, THEREFORE, for and in consideration of Five Dollars (\$5.00) and other good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, **JOHN W. HOLADAY**, **ANTONIO RUIZ**, **JOHN MADSEN** and **STACY M. PLUM**, by these presents do sell, assign and transfer unto **ENTREMED, INC.**, the full, exclusive and entire right, title, and interest in and to said application, in and to any divisions, continuations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said application, preparatory to obtaining Letters Patent of the United States therefor; and we hereby request the Commissioner of Patents and Trademarks

to issue any and all Letters Patent of the United States resulting from said application, or from a division, continuation, or reissue thereof, to **ENTREMED, INC.**, as the assignee, for its interest and for the sole use and benefit of **ENTREMED, INC.** and its assigns and legal representatives;

For the same consideration, we, by these presents do sell, assign, and transfer to **ENTREMED, INC.**, the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **ENTREMED, INC.**, or its designee insofar as permitted by applicable law.

AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **ENTREMED, INC.**, its successors, assigns,

and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

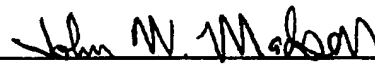
Dated: _____

JOHN W. HOLADAY

Dated: _____

ANTONIO RUIZ

Dated: 5/10/04


JOHN MADSEN

Dated: _____

STACY M. PLUM

Our Docket: 05213-0077 (43170-296614)

ASSIGNMENT

WHEREAS, we, **JOHN W. HOLADAY**, a citizen of the United States of America, residing at 6502 Hillmead Road, Bethesda, MD 20817; **ANTONIO RUIZ**, a citizen of the United States of America, residing at 12225 Morning Light Terrace, Gaithersburg, MD 20878; **JOHN MADSEN**, a citizen of the United States of America, residing at 4409 Canton Avenue, Jefferson, MD 21755; and **STACY M. PLUM**, a citizen of the United States of America, residing at 6107 North 11th Street, Arlington, VA 22205, have invented certain inventions and improvements disclosed in an application for Letters Patent entitled **COMPOSITIONS AND METHODS FOR TREATING CANCER AND HYPERPROLIFERATIVE DISORDERS**, filed in the U.S. Patent & Trademark Office on March 12, 2004, and assigned Serial No. 10/799,163; and

WHEREAS, **ENTREMED, INC.**, a corporation of the State of Delaware, having a principal place of business at 9640 Medical Center Drive, Rockville, Maryland 20850, is desirous of acquiring an interest in the same;

NOW, THEREFORE, for and in consideration of Five Dollars (\$5.00) and other good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, **JOHN W. HOLADAY**, **ANTONIO RUIZ**, **JOHN MADSEN** and **STACY M. PLUM**, by these presents do sell, assign and transfer unto **ENTREMED, INC.**, the full, exclusive and entire right, title, and interest in and to said application, in and to any divisions, continuations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said application, preparatory to obtaining Letters Patent of the United States therefor; and we hereby request the Commissioner of Patents and Trademarks

to issue any and all Letters Patent of the United States resulting from said application, or from a division, continuation, or reissue thereof, to **ENTREMED, INC.**, as the assignee, for its interest and for the sole use and benefit of **ENTREMED, INC.** and its assigns and legal representatives;

For the same consideration, we, by these presents do sell, assign, and transfer to **ENTREMED, INC.**, the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **ENTREMED, INC.**, or its designee insofar as permitted by applicable law.

AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **ENTREMED, INC.**, its successors, assigns,

and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Dated: _____

JOHN W. HOLADAY

Dated: _____

ANTONIO RUIZ

Dated: _____

JOHN MADSEN

Dated: 4/29/04



STACY M. PLUM

Our Docket: 05213-0077 (43170-296614)